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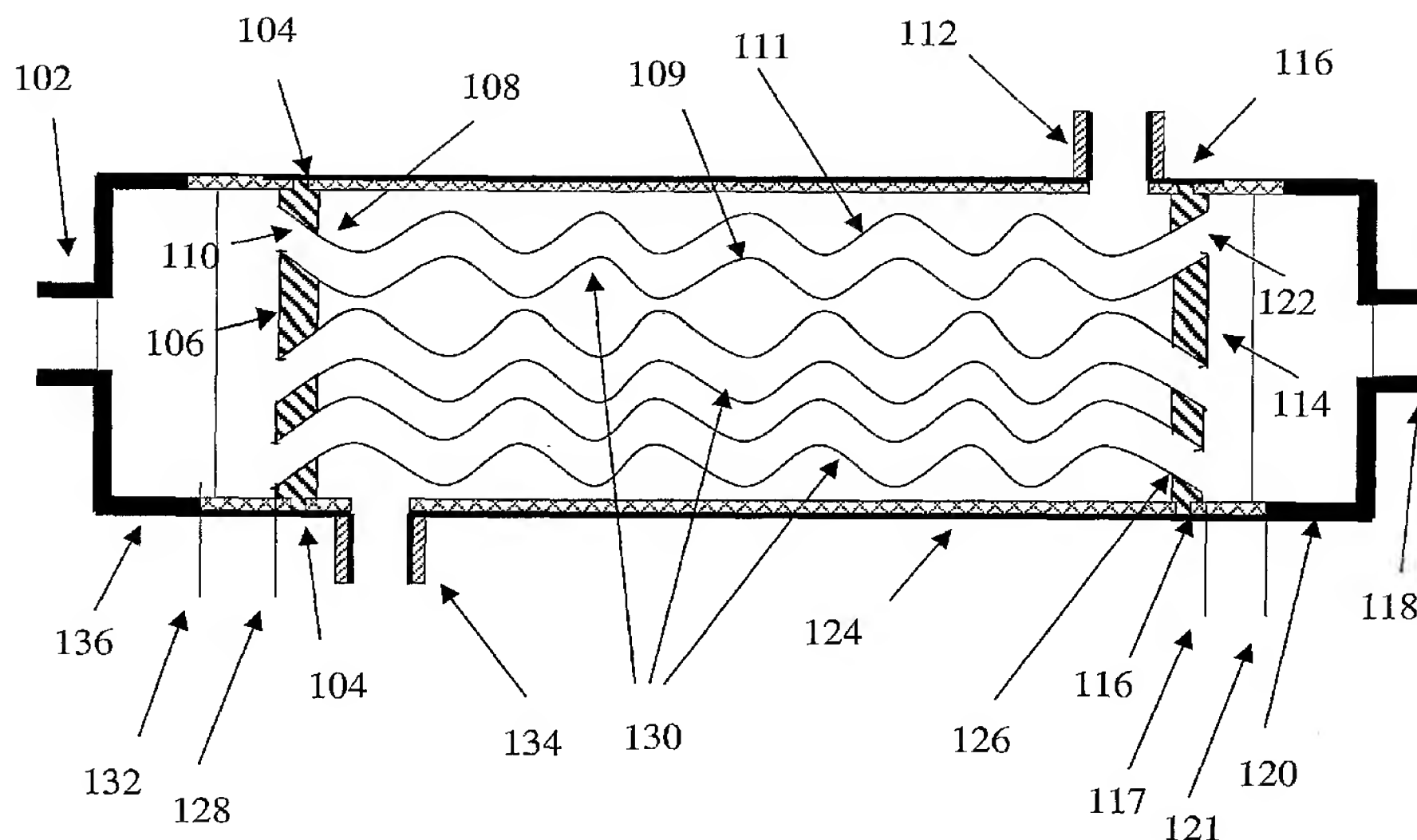
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[Continued on next page]

(54) **Title:** POTTED EXCHANGE DEVICES AND METHODS OF MAKING



(57) **Abstract:** The present invention relates to potted exchange devices including hollow conduits and or hollow porous membranes wherein the housing includes recessed channels or grooves. The recessed channels or grooves a filled by the potting material during the potting process and form a unitary end structure with the potting material. The grooves or channels formed on the inside of the housing maintains the integrity of the potting with the housing under a wide range of mechanical and thermal conditions.

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